CITY OF ELKHART, INDIANA
INDUSTRIAL WASTE QUESTIONNAIRE

SECTION A. GENERAL INFORMATION (Type or Print, Please)

1. Company Name Teledyne Metal Forming

2. Mailing Address P.O. Box 757, Elkhart, IN 46515-0757

3. Address of Premises 1937 Sterling Avenue, Elkhart, IN

4. Name and Title of Signing Official C.W. Freel, Executive Vice President

5. Wastewater discharges to:

   City sewer system X

   Private septic system _____

6. If your facility discharges to the City sewer system, check the types of discharges:

   X Sanitary _____ Wash water X Rinse water

   X Cooling water X Process water X Scrubber water

   _____ Other _____

   Note: If your facility discharges only to a private septic system and not to the City sewer system, or if only sanitary sewage is discharged to the City sewer system, it is only necessary to fill out Section A of this questionnaire. Otherwise, complete entire questionnaire.

7. Contact Official

   Name Dawood Patel

   Title Design Engineer

   Address P.O. Box 757, Elkhart, IN 46515-0757

   Phone Number 219-295-5525

The information contained in this questionnaire is familiar to me and to the best of my knowledge and belief, such information is true, complete, and accurate.

12-14-83 C.W. Freel
Date Signature of Official
C.W. Freel

SECTION B. PRODUCT OR SERVICE INFORMATION

1. Brief description of manufacturing or service activity on premises:

Custom roll forming of metal shapes and welding and working alloy tubing.

2. Principal Raw Materials Used:

Cold Rolled Steel, Hot Rolled Steel, Stainless Steels, Aluminum, Bronze, Nickle-Alloys, and Cobalt Base Alloys.

3. Catalysts, Intermediates:

NONE

4. Principal Product or Service (use Standard Industrial Classification Manual if appropriate): 3449 3498

5. Appended to this questionnaire is a list of Standard Industrial Classification (SIC) codes for industries currently or potentially subject to USEPA preteatment regulations. List SIC codes for each of your processes that are subject to USEPA pretreatment regulations.

3411 3446 3449 3498 3544

SECTION C. PLANT OPERATIONAL CHARACTERISTICS

1. Type of Discharge: _____ Batch _____ Continuous X Both

   For batch discharges, list types, average number of batches/24 hrs. and volume (gallons) per batch. 885 gallons Avg./Day, 3100 Gallons/batch

2. Is there a scheduled shutdown? Yes

   When? First two weeks of August.

3. Is production seasonal? No

   If yes, explain indicating months(s) of peak production.

   _____

4. Average number of employees per shift: 50 1st; ___ 2nd; ___ 3rd

5. Shift start times: 7:00 AM 1st; _____ 2nd; _____ 3rd

6. Shifts normally worked each day of the week:

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
1st		X	X	X	X	X	
2nd							
3rd							

7. Describe any wastewater treatment equipment or processes in use:

   NONE

SECTION D. WATER CONSUMPTION AND LOSS

1. Raw Water Sources:

Source	Quantity
City Water	28,984 gallons per day
	gallons per day
	gallons per day
	gallons per day

2. Water treatment processes in use:

_____ Chemical coagulation, including use of alum, ferric chloride, polymers, etc.

_____ Lime softening

__X__ Resin (ion exchange) water softening

_____ Filtration

_____ Chemical (chlorine or ozone) disinfection

__X__ Others Boiler Water Pretreatment

3. List Water Consumption in Plant:

Cooling Water	12,066	gallons per day
Boiler Feed	635	gallons per day
Process Water	2,283	gallons per day
Sanitary System*	500	gallons per day
Contained in Product	0	gallons per day
Other (Scrubber)	13,500	gallons per day

*Sanitary flow can be estimated at 10 gpd per employee.

4. List average volume of discharge or water loss to:

City Wastewater Sewer	28,959	gallons per day
Septic Tank Discharge	0	gallons per day
Surface Discharge	0	gallons perday
Waste Hauler	23	gallons per day *
Evaporation	0	gallons per day
Contained in Product	0	gallons per day

*Average over 365 days year.

5. Is Discharge to Sewer: _____ Intermittent X Steady

6. List average water usage for SIC Processes itemized in Section B-5 above:

Regulated SIC No.	Brief Process Description	Average Water Consumption(GPD)
3411	Water mixed with lubricants	
3446	" " " "	22-1/2
3449	" " " "	
3498	Water used to cool tubing, water used in Pickle House to clean tubing, scrubber	2260
3544	Water mixed with lubricant	1/2

SECTION E. SEWER CONNECTION AND DISCHARGE INFORMATION

1. List plant sewer outlets and flow: (assign sequential reference number to each sewer starting with No. 1).

Reference No.	Descriptive Location of Sewer Connection or Discharge Point	Avg. Flow (gpd)
1	445 feet south of manhole of Sterling Ave.	Not Known
2	Drains into the manhole located on Sterling Avenue	Not Known

2. Attach a scaled drawing or dimensioned sketch of the industrial complex showing location of sewer referenced in E-1 above and location of the SIC process described in Section D-5. Show location of monitoring manhole, if any, and other possible sampling points for sewers and SIC process effluents. Indicate how City industrial monitoring staff can gain access to the sampling points. For reference and field orientation buildings, streets, alleys, and other pertinent physical structures should be included.

3. Is plant required to prepare a Spill Prevention Control and Countermeasure (SPCC) Plan per 40 CFR 112 or a RCRA Contingency Plan?*
yes If report has been prepared, attach copy. Copy attached.
yes If report is required, but has not yet been prepared, indicate date when it will be submitted. _____

*RCRA Contingency Plan in accordance with 40 CFR - Parts 264 and 265.

SECTION F. PRIORITY POLLUTANT INFORMATION

1. Please indicate by placing an "X" in the appropriate box by each listed chemical whether it is Suspected to be Absent, Known to be Absent, Suspected to be Present, or Known to be Present in your manufacturing or service activity or generated as a byproduct. Some compounds are known by other names. Please refer to Appendix A for those compounds which have an asterisk(*).

ITEM NO.	CHEMICAL COMPOUND	SUSPECTED ABSENT	KNOWN ABSENT	SUSPECTED PRESENT	KNOWN PRESENT	ITEM NO.	CHEMICAL COMPOUND	SUSPECTED ABSENT	KNOWN ABSENT	SUSPECTED PRESENT	KNOWN PRESENT
1.	ammonia		X			47.	chlorobenzene		X		
2.	asbestos (fibrous)		X			48.	chloroethane*		X		
3.	cyanide (total)		X			49.	2-chloroethylvinyl ether		X		
						50.	chloroform*		X		
4.	antimony (total)		X			51.	chloromethane*		X		
5.	arsenic (total)			X		52.	2-chloronaphthalene		X		
6.	beryllium (total)		X			53.	2-chlorophenol*		X		
7.	cadmium (total)				X	54.	4-chlorophenylphenyl ether		X		
8.	chromium (total)				X	55.	chrysene*		X		
9.	copper (total)				X	56.	4,4'-DDD*		X		
10.	lead (total)				X	57.	4,4'-DDE*		X		
11.	mercury (total)				X	58.	4,4'-DDT*		X		
12.	nickel (total)				X	59.	dibenzo(a,h)anthracene*		X		
13.	selenium (total)				X	60.	dibromochloromethane*		X		
14.	silver (total)				X	61.	1,2-dichlorobenzene*		X		
15.	thallium (total)		X			62.	1,3-dichlorobenzene*		X		
16.	zinc (total)				X	63.	1,4-dichlorobenzene*		X		
						64.	3,3'-dichlorobenzidine		X		
17.	acenaphthene		X			65.	dichlorodifluoromethane*		X		
18.	acenaphthylene		X			66.	1,1-dichloroethane*		X		
19.	acrolein		X			67.	1,2-dichloroethane*		X		
20.	acrylonitrile		X			68.	1,1-dichloroethene*		X		
21.	aldrin		X			69.	trans-1,2-dichloroethene*		X		
22.	anthracene		X			70.	2,4-dichlorophenol		X		
23.	benzene		X			71.	1,2-dichloropropane*		X		
24.	benzidine		X			72.	(cis & trans)1,3-dichloropropene*		X		
25.	benzo(a)anthracene*		X								
26.	benzo(a)pyrene*		X			73.	dieldrin		X		
27.	benzo(b)fluoranthene		X			74.	diethyl phthalate*		X		
28.	benzo(g,h,i)perylene*		X			75.	2,4-dimethylphenol*		X		
29.	benzo(k)fluoranthene*		X			76.	dimethyl phthalate		X		
30.	a-BHC (alpha)		X			77.	di-n-butyl phthalate		X		
31.	b-BHC (beta)		X			78.	di-n-octyl phthalate*		X		
32.	d-BHC (delta)		X			79.	4,6-dinitro-2-methylphenol*		X		
33.	g-BHC* (gamma)		X			80.	2,4-dinitrophenol		X		
34.	bis(2-chloroethyl)ether*		X			81.	2,4-dinitrotoluene		X		
35.	bis(2-chloroethoxy)methane*		X			82.	2,6-dinitrotoluene		X		
36.	bis(2-chloroisopropyl)ether*		X			83.	1,2-diphenylhydrazine*		X		
37.	bis(chloromethyl)ether*		X			84.	endosulfan I*		X		
38.	bis(2-ethylhexyl)phthalate*		X			85.	endosulfan II*		X		
39.	bromodichloromethane*		X			86.	endosulfan sulfate		X		
40.	bromoform*		X			87.	endrin		X		
41.	bromomethane*		X			88.	endrin aldehyde		X		
42.	4-bromophenylphenyl ether		X			89.	ethylbenzene		X		
43.	butylbenzyl phthalate		X			90.	fluoranthene		X		
44.	carbon tetrachloride*		X			91.	fluorene*		X		
45.	chlordane		X			92.	heptachlor		X		
46.	4-chloro-3-methylphenol*		X			93.	heptachlor epoxide		X		

SECTION F. PRIORITY POLLUTANT INFORMATION (CON'T)

ITEM NO.	CHEMICAL COMPOUND	SUSPECTED ABSENT	KNOWN ABSENT	SUSPECTED PRESENT	KNOWN PRESENT	ITEM NO.	CHEMICAL COMPOUND	SUSPECTED ABSENT	KNOWN ABSENT	SUSPECTED PRESENT	KNOWN PRESENT
94.	hexachlorobenzene*		X			112.	PCB-1248*		X		
95.	hexachlorobutadiene		X			113.	PCB-1254*		X		
96.	hexachlorocyclopenta-		X			114.	PCB-1260*		X		
	diene*					115.	pentachlorophenol		X		
97.	hexachloroethane*		X			116.	phenanthrene		X		
98.	indeno(1,2,3-cd)pyrene*		X			117.	phenol		X		
99.	isophorone*		X			118.	pyrene		X		
100.	methylene chloride*		X			119.	2,3,7,8-tetrachlorodi-		X		
101.	naphthalene		X				benzo-p-dioxin*		X		
102.	nitrobenzene		X			120.	1122-tetrachloroethane*		X		
103.	2-nitrophenol*		X			121.	tetrachloroethene*		X		
104.	4-nitrophenol*		X			122.	toluene*		X		
105.	n-nitrosodimethylamine*		X			123.	toxaphene		X		
106.	n-nitrosodipropylamine*		X			124.	1,2,4-trichlorobenzene		X		
107.	n-nitrosodiphenylamine*		X			125.	1,1,1-trichloroethane*				X
108.	PCB-1016*		X			126.	1,1,2-trichloroethane*		X		
109.	PCB-1221*		X			127.	trichloroethene*				X
110.	PCB-1232*		X			128.	trichlorofluoromethane*				X
111.	PCB-1242*		X			129.	2,4,6-trichlorophenol		X		
						130.	vinyl chloride*		X		

2. For chemical compounds in F-2 above which are indicated to be "Known Present," please list and provide the following data for each: (attach additional sheets if needed).

ITEM NO.	CHEMICAL COMPOUND	* ANNUAL USAGE(LBS)	ESTIMATED LOSS TO SEWER LBS./YR.	ITEM NO.	CHEMICAL COMPOUND	ANNUAL USAGE(LBS)	ESTIMATED LOSS TO SEWER LBS./YR.
7	Cadmium	*	0				
8	Chromium	*	0				
9	Copper	*	0				
10	Lead	*	0				
11	Mercury	*	0				
12	Nickel	*	0				
13	Selenium	*	0				
14	Silver	*	0				
16	Zinc	*	0				
125	1,1,1-Trichloroethane	0	0				
127	Trichloroethene (Trichloroethylene)	3300	0				
128	Trichlorotrifluro-ethane	5256	0				

*NOTE: #7 to #14 and #16 are present as alloying or incidental elements. Amounts of these elements varies in alloys used. Alloys used are in sheet or strip form.

3. List any other chemicals known or anticipated to be present in the discharge.

Traces of Sodium Hydroxide, Nitric Acid and Hydroflouric Acid from scrubber and rinse tank. Manufacturer of scrubber suggests that exhausting both acid and alkali together, part of acid and alkali gets neutrilized before going to the discharge.

4. Describe, what if any, laboratory analyses have been conducted on process waste streams in the plant, including which streams were sampled, what parameters were measured, and frequency and type of samples. (The baseline report referred to in G2 below can be referenced in answering this question.)

No tests run on discharge water - However, tests run on sludges and wastes which are hauled away. All wastes tested for hazardability as required by EPA per 40 CFR Part 261.11.

SECTION G. PRETREATMENT

1. Is this plant subject to an existing Pretreatment Standard?

No

2. Is this plant required to submit a baseline report per 40 CFR 403.12? no If a baseline report has been prepared, attach a copy to this questionnaire. Copy attached. _____ If a baseline report is required, but has not yet been prepared, indicate date that it will be submitted. _____

3. If subject to Federal Pretreatment Standards, are the standards being met on a consistent basis? (The baseline report can be referred to in answering this question.)

N/A

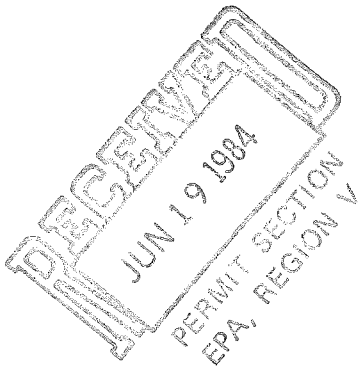
4. Are additional pretreatment facilities and/or operation and maintenance required to meet Pretreatment Standards? If additional pretreatment and/or operation and maintenance are required, list the schedule by which they will be provided. (The baseline report can be referred to in answering this question.)

N/A

5. Describe residuals (sludges, precipitates, etc.) that are produced or result at your facility and the methods employed to dispose of the residuals. List names of waste haulers, if applicable.

Sludges from lubrication tanks on Rolling machines, degreaser, pickle and alkali tanks are hauled away. Sludges contain metallic elements such as zinc, lead, silver, chromium, copper, nickel, arsenic, barium, mercury, selenium. Most of which are traces.

Hauler is ILWD, Indianapolis, Indiana, ID #IND093219012 via their contract trucks - Indiana Liquid Transport, Indianapolis, Indiana, ID #IND058484114.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